Recombinant Human GABRG2, His-tagged

Cat. No. GABRG2-13103H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human GABRG2 protein, fused to His-tag, was expressed in E.coli and purified by Ni-sepharose.
Species	Human
Source	E.coli
ProteinLength	40-273a.a.
Description	This gene encodes a gamma-aminobutyric acid (GABA) receptor. GABA is the major inhibitory neurotransmitter in the mammlian brain, where it acts at GABA-A receptors, which are ligand-gated chloride channels. GABA-A receptors are pentameric, consisting of proteins from several subunit classes: alpha, beta, gamma, delta and rho. Mutations in this gene have been associated with epilepsy and febrile seizures. Multiple transcript variants encoding different isoforms have been identified for this gene.
Storage	The protein is stored in PBS buffer at -20℃. Avoid repeated freezing and thawing cycles.
Storage Buffer	1M PBS (58mM Na2HPO4,17mM NaH2PO4, 68mM NaCl, pH8.) added with 300mM Imidazole and 0.7% Sarcosyl, 15%glycerol.

GENE INFORMATION

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Gene Name	GABRG2 gamma-aminobutyric acid (GABA) A receptor, gamma 2 [Homo sapiens]
Official Symbol	GABRG2
Synonyms	GABRG2; gamma-aminobutyric acid (GABA) A receptor, gamma 2; gamma-aminobutyric acid receptor subunit gamma-2; GABA(A) receptor; gamma 2; GABA(A) receptor, gamma 2; GABA(A) receptor subunit gamma-2; CAE2; ECA2; GEFSP3;
Gene ID	2566
mRNA Refseq	NM_000816
Protein Refseq	NP_000807
MIM	137164
UniProt ID	P18507
Chromosome Location	5q34
Pathway	GABA A receptor activation, organism-specific biosystem; GABA receptor activation, organism-specific biosystem; GABAergic synapse, organism-specific biosystem; GABAergic synapse, conserved biosystem; Ion channel transport, organism-specific biosystem; Ligand-gated ion channel transport, organism-specific biosystem; Morphine addiction, organism-specific biosystem;
Function	GABA-A receptor activity; benzodiazepine receptor activity; chloride channel activity; extracellular ligand-gated ion channel activity; ion channel activity; protein binding;

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